PATENT COOPERATION TREATY

PCT

NOTIFICATION CONCERNING SUBMISSION OR TRANSMITTAL OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

From the INTERNATIONAL BUREAU

То

BILLINGS, Lucy, J. Incyte Pharmaceuticals, Inc. 3174 Porter Drive Palo Alto, CA 94304 ETATS-UNIS D'AMERIQUE

Date of mailing (day/month/year) 25 July 2000 (25.07.00)	
Applicant's or agent's file reference PF-0636 PCT	IMPORTANT NOTIFICATION
International application No. PCT/US99/26742	International filing date (day/month/year) 12 November 1999 (12.11.99)
International publication date (day/month/year) 18 May 2000 (18.05.00)	Priority date (day/month/year) 12 November 1998 (12.11.98)

- The applicant is hereby notified of the date of receipt (except where the letters "NR" appear in the right-hand column) by the
 International Bureau of the priority document(s) relating to the earlier application(s) indicated below. Unless otherwise
 indicated by an asterisk appearing next to a date of receipt, or by the letters "NR", in the right-hand column, the priority
 document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
- 2. This updates and replaces any previously issued notification concerning submission or transmittal of priority documents.
- 3. An asterisk(*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b). In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
- 4. The letters "NR" appearing in the right-hand column denote a priority document which was not received by the International Bureau or which the applicant did not request the receiving Office to prepare and transmit to the International Bureau, as provided by Rule 17.1(a) or (b), respectively. In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

Priority date	Priority application No.	Country or regional Office or PCT receiving Office	<u>Date of receipt</u> of priority document
12 Nove 1998 (12.11.98)	09/191,280	US	18 Janu 2000 (18.01.00)
07 Dece 1998 (07.12.98)	09/206,647	US	18 Janu 2000 (18.01.00)
08 Marc 1999 (08.03.99)	60/123,404	US	22 May 2000 (22.05.00)

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Christine Carrié				
Facsimile No. (41-22) 740.14.35	Telephone No. (41-22) 338.83.38				
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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7:

C12N 15/12, C07K 14/705, C12Q 1/68, A61K 38/17, C07K 16/18

A3

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09/191,280	12 November 1998 (12.11.98)	US
Not furnished	12 November 1998 (12.11.98)	US
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Not furnished	7 December 1998 (07.12.98)	US
60/123,404	8 March 1999 (08.03.99)	US

(63) Related by Continuation (CON) or Continuation-in-Part

(CIP) to Earner Applic	ations
US	09/191,280 (CIP)
Filed on	12 November 1998 (12.11.98)
US	Not furnished (CIP)
*-	12 November 1998 (12.11.98)
Filed on	09/206,647 (CIP)
US	
Filed on	7 December 1998 (07.12.98)
US	Not furnished (CIP)
Filed on	7 December 1998 (07.12.98)
•	60/123,404 (CIP)
US	8 March 1999 (08.03.99)
Filed on	8 Maich 1999 (00.03.97)

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(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

With international search report.

(88) Date of publication of the international search report:

16 November 2000 (16.11.00)

(54) Title: HUMAN CELL SURFACE RECEPTOR PROTEINS

(57) Abstract

The invention provides human cell surface receptor proteins (HCSRP) and polynucleotides which identify and encode HCSRP. The invention also provides expression vectors, host cells, antibodies, agonists, and antagonists. The invention also provides methods for diagnosing, treating or preventing disorders associated with expression of HCSRP.

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EE	Estonia	LR	Liberia	SG	Singapore		

Internal Application No PC 3 99/26742

a. classification of subject matter IPC 7 C12N15/12 C07K14/705 C07K16/18 A61K38/17 C12Q1/68 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification sympols) C12N C07K C12Q IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category 3 1-16,19 WO 98 18456 A (UNIVERSITY OF CALIFORNIA) Χ 7 May 1998 (1998-05-07) the whole document, especially residues 1-29 in SEQ ID NO:7 1-16.19 WO 92 14750 A (UNIVERSITY OF CALIFORNIA Χ ; COR THERAPEUTICS INC) 3 September 1992 (1992-09-03) the whole document, especially nucleotides 166-312 in Figure 1A 1,2,15 WO 94 05695 A (UNIVERSITY OF NEW YORK) Χ 17 March 1994 (1994-03-17) the whole document, especially sequence 31 in figure 8B(2) Patent family members are listed in annex. Further documents are listed in the continuation of box C. Х T later document published after the international filing date or priority date and not in conflict with the application but Special categories of cited documents : cited to understand the principle or theory underlying the *A* document defining the general state of the art which is not considered to be of particular relevance "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to "E" earlier document but published on or after the international filing date involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docucitation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. *P* document published prior to the international filing date but "&" document member of the same patent family later than the priority date claimed Date of mailing of the international search report Date of the actual completion of the international search 25.07.00 9 March 2000

Fax: (+31-70) 340-3016

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Authorized officer

CUPIDO, M

	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	101/03 33/20/42
C.(Continu	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	EMBL/GenBank/DDBJ databases SEQ ID AC008515:Homo sapiens chromosome 5 clone CTC-455F7 4 August 1999 DOE Joint Genome Institute XP002132666 compare nucleotides 40760-41260 with nucleotides 516-1 in SEQ ID NO:14	3-6,9-11



Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This Inte	ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: Although claim 19 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the composition.
2. X	Claims Nos.: 17,18 and 20 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically: See FURTHER INFORMATION sheet PCT/ISA/210
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box	l Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This Ir	nternational Searching Authority found multiple inventions in this international application, as follows:
1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. [As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. [No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-20 (all partly)
Rei	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

1. Claims: 1-20 (all partly)

Polypeptide comprising an amino acid sequence of SEQ ID NO:1, fragments and variants thereof, polynucleotides encoding them, methods of detecting related sequences, vectors and cells comprising said sequences and their use to produce a polypeptide, corresponding pharmaceutical compositions and antibodies.

2. Claims: 1-20 (all partly)

Idem as subject 1 but limited to SEQ ID NO:2

3. Claims: 1-20 (all partly)

Idem as subject 1 but limited to SEQ ID NO:3

4. Claims: 1-20 (all partly)

Idem as subject 1 but limited to SEQ ID NO:4

5. Claims: 1-20 (all partly)

Idem as subject 1 but limited to SEQ ID NO:5

6. Claims: 1-20 (all partly)

Idem as subject 1 but limited to SEQ ID NO:6

7. Claims: 1-20 (all partly)

Idem as subject 1 but limited to SEQ ID NO:7

8. Claims: 1-20 (all partly)

Idem as subject 1 but limited to SEQ ID NO:8

9. Claims: 1-20 (all partly)

Idem as subject 1 but limited to SEQ ID NO:9

10. Claims: 1-20 (all partly)

Idem as subject 1 but limited to SEQ ID NO:10

- 11. Claims: 1-20 (all partly)
 Idem as subject 1 but limited to SEQ ID NO:11
- 12. Claims: 1-20 (all partly)
 Idem as subject 1 but limited to SEQ ID NO:12
- 13. Claims: 1-20 (all partly)
 Idem as subject 1 but limited to SEQ ID NO:13

International Application No. PCT/US 99/26742

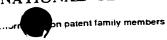
FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 17,18 and 20

Claims 17, 18 and in part 20 refer to an antagonist and agonist of the polypeptides without giving a true technical characterisation. Moreover, no such compounds are defined in the application. In consequence, the scope of said claims is ambiguous and vague, and their subject-matter is not sufficiently disclosed and supported (Articles 5 and 6 PCT). No meaningful search can be carried out for such purely speculative claims whose wording is, in fact, a mere recitation of the results to be achieved.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.



Internal Application No PUS 99/26742

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
WO 9818456	A	07-05-1998	US EP	5892014 A 0948323 A	06-04-1999 13-10-1999
WO 9214750	А	03-09-1992	US US AU CA EP JP NZ US US US US	5256766 A 5688768 A 665752 B 1456892 A 2104394 A 0572553 A 6508742 T 241666 A 6024936 A 5759994 A 5856448 A 5849507 A	26-10-1993 18-11-1997 18-01-1996 15-09-1992 20-08-1992 08-12-1993 06-10-1994 26-07-1995 15-02-2000 02-06-1998 05-01-1999 15-12-1998 25-08-1998
WO 9405695	Α	17-03-1994	AU US	4855393 A 5508384 A	29-03-1994 16-04-1996

09/831-458

PATENT COOPERATION TREATY

PCT

REC'D 12 NOV 2001

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

licant's or agent's file reference	FOR FURTHER ACTION	Preliminary	cation of Transmittal of International Examination Report (Form PCT/IPEA/416)
F-0636 PCT	International filing date (day)	/month/year)	Priority date (day/month/year)
rnational application No.	12 NOVEMBER 1999		12 NOVEMBER 1998
CT/US99/26742 ernational Patent Classification (IPC)		PC	
ernational Patent Classification (IPC) ease See Supplemental Sheet.	Of Hattoria		
plicant			
NCYTE PHARMACEUTICALS, IN			
This international preliming Examining Authority and i	nary examination report he s transmitted to the applican	as been prepart according to	ared by this International Preliminary Article 36.
	state of \tilde{h} sheets.		
This report is also acco been amended and are (see Rule 70.16 and Se	mpanied by ANNEXES, i.e., s the basis for this report and/or ection 607 of the Administrati	heets of the des sheets contain we Instructions	scription, claims and/or drawings which have ing rectifications made before this Authority under the PCT).
These annexes consist of a	total of sheets.		
3. This report contains indicate	ons relating to the followin	g items:	
I Basis of the re			
T. Dringity			
Non establishm	nent of report with regard to	o novelty, inv	entive step or industrial applicability
	of invention		
IV Lack of unity	or invention Article 35(2) with	regard to nov	elty, inventive step or industrial applicabili
V X Reasoned states	rplanations supporting such st	atement	
VI Certain docume	ents cited		
VII Certain defects	in the international application	n	
VIII Certain observa	ations on the international app	olication	
			lation of this report
Date of submission of the demand		Date of comp	letion of this report
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06 JUNE 2000		Arthorized of	ficer (
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Commissioner of Patents and Box PCT Washington, D.C. 20231	Trademarks	EILEEN	B. O'HARA D. (703) 308-0196

International	application	No

PCT/US99/26742

Bas	is of the	report				
		he elements of the internation	nal application:	•		
1. With	regard to t	national application as o	riginally filed			
						inimally filed
	the desci					, as originally filed
	pages					, 11100
	pages pages	NONE		, filed with the letter of	·	
	pages _					
\mathbf{x}	the clair	ns:				, as originally filed
ىتن	pages _	71-72		as amended (together	with any st	atement) under Article 19
	pages _					,
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	pages _	NONE				
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	pages _	NONE		, filed with the letter of		
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3. \			or amino acided out on the	l sequence disclosed in the basis of the sequence listi	e internation ing:	al application, the international
\ <u></u>	v]	ined in the international	application i	n printed form.		
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1 1				. computer readable form	n.	
1	furni	shed subsequently to the		d written sequence listing	does not go	beyond the disclosure in the
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	The	statement that the informat furnished.	ion recorded in	computer readable form is	s identical to	the writen sequence listing has
١,		amendments have resul	ted in the car	cellation of:		
4.			NONE	<u> </u>		
		the description, pages	NONE			
1	녣	the claims, Nos.	" NONE			
1	X	the drawings, sheets	Hg	dmente had not been	made since	they have been considered to go
5.						n under Article 14 are referred to ontain amendments (Rules 70.16
	in this ream 70.	epon as ongnuny juca 17).		nts must be referred to und	er item 1 and	d annexed to this report.
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International application No. PCT/US99/26742

	PRELIMINARY EXAMINATION	
	INTERNATIONAL PRELIMINARY EXAMINATION	industrial applicability
	with regard to novelty, inventive step	and industrial or to be
111.	Non-establishment of opinion with regard to novelty, inventive step he questions whether the claimed invention appears to be novel, to involve an the dustrially applicable have not been and will not be examined in respect of:	inventive step (to be non obvious), or to be
1. T	ndusu ian y Fr	
Г	the entire international application.	
	17 18 and 20	
1	X claims Nos. 17, 10 gaz-	s following subject matter which
	because: the said international application, or the said claim Nos. relate the said international preliminary examination (specify).	to the following see,
	the said international application, or the said claim 140s. The said international application, or the said claim 140s. The said claim	
	4000 11.	
	. Luna	nts helow) or said claims Nos. are so
1	the description, claims or drawings (indicate particular elements)).
	the description, claims or drawings (indicate particular that no meaningful opinion could be formed (specify)	
		that no
	the claims, or said claims Nos. 17, 18 and 20 are so ina	dequately supported by the description that is
	the claims, or said claims Nos. 17, 18 and 20 are	
	meanilylui opiii	
	no international search report has been established for sa	aid claims 1405
	no international season of	
	A meaningful international preliminary examination cannot be carried or a listing to comply with the standard provided for in Annex C.	but due to the failure of the nucleotide and/or armine instructions:
	A meaningful international preliminary examination cannot be carried of sequence listing to comply with the standard provided for in Annex C sequence listing to comply with the standard provided for in Annex C sequence.	of the Administrative insuccess
	sequence usung	mply with the standard.
	the written form has not been furnished or does not con the computer readable form has not been furnished or	does not comply with the standard.
	the computer readable form has not been furnished or	

International application No.
PCT/US99/26742

INTERNATIONAL PREEMMINE					A. A. Bilitar
1 75/	(2) with regard	d to novel	ty, inven	itive step or indust	rial application;
NTERNATIONAL TRESS. Reasoned statement under Article 35(citations and explanations supporting	such statemen	nt			
citations and explanations					
statement					YE
Novelty (N)	0	NONE			NO
Movered (c.)	Claims	1-10, 19			YI
	Claims	NONE			N
Inventive Step (IS)	Claims	1-16, 19			• • • • • • • • • • • • • • • • • • • •
		1-16, 19)		Y
Industrial Applicability (IA)	Claims	***			N
Illiangum Fr	Claims	110112			
 citations and explanations (Rule Claims 1-16 and 19 lack novelty under P 94/05695. Claims 1-6 and 19 encompass fragments of cells, methods of detecting the polynuclet treatment. WO 98/18456, WO 98/14750 a be a single amino acid, as well as polynu 94/05695. 	f polypeptides of otides and metho nd WO 94/05695 acleotides encodin	ods of prodictions of disclose from them, vo	ucing the agments of actors, hos	polypeptides recombined the above polypeptides tells WO 98/18456	nantly, and methods of es, since a fragment co , WO 98/14750 or W
Claims 1-16 and 19 meet the criteria set full length polypeptides of SEQ ID NOS applicability in that the encoding nucleic nucleic acids, and the polypeptides can be	out in PCT Arti : 1-13 and polyr acids can be use be used to make	nucleotides of the top	ecause the encoding to the enc- and to screen	e prior art does not te them. The claimed in oded polypeptides or t een for compounds that	ach or fairly suggest vention has industrial to screen for related at bind to it.
NEW CITATIONS					
NONE					

International application No.

PCT/US99/26742

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(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Boxes I - VIII

Sheet 10

The International Patent Classification (IPC) and/or the National classification are as listed below: CLASSIFICATION: IPC(7): C12N 1/21; C07K 14/705, 16/18; A61K 38/17; C07H 21/04 and US C1.: 530/350; 536/23.5; 435/252.3, 514/2

International Application No NS 99/26742

A. CLASSIFICATION OF SUBJECT MATTER 1PC 7 C12N15/12 C07K14/705

C12Q1/68

A61K38/17

C07K16/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\frac{\text{Minimum documentation searched (classification system followed by classification symbols)}}{IPC~7~C12N~C07K~C12Q}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No.					
Category °	Citation of document, with indication, where appropriate, of the relevant passages				
X	WO 98 18456 A (UNIVERSITY OF CALIFORNIA) 7 May 1998 (1998-05-07) the whole document, especially residues 1-29 in SEQ ID NO:7	1-16,19			
X	WO 92 14750 A (UNIVERSITY OF CALIFORNIA; COR THERAPEUTICS INC) 3 September 1992 (1992-09-03) the whole document, especially nucleotides 166-312 in Figure 1A	1-16,19			
X	WO 94 05695 A (UNIVERSITY OF NEW YORK) 17 March 1994 (1994-03-17) the whole document, especially sequence 31 in figure 8B(2)	1,2,15			
	Petent family member				

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family Date of mailing of the international search report
Date of the actual completion of the international search	2 5. 07. 00
9 March 2000	
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer CUPIDO, M

International Application No PCT 99/26742

,		110	
C.(Continua			Relevant to claim No.
Category °	Citation of document, with indication, where appropriate, or the 10.00 the passage		
C.(Continua	EMBL/GenBank/DDBJ databases SEQ ID AC008515:Homo sapiens chromosome 5 clone CTC-455F7 4 August 1999 DOE Joint Genome Institute XP002132666 compare nucleotides 40760-41260 with nucleotides 516-1 in SEQ ID NO:14		

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)					
Box I Observations where certain claims were found unsearchable (Conditional Conditional C	1				
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:					
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: Although claim 19 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the composition.					
2. X Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: see FURTHER INFORMATION sheet PCT/ISA/210					
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).					
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)	4				
This International Searching Authority found multiple inventions in this international application, as follows:					
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.					
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.					
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:					
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-20 (all partly)					
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.					

1. Claims: 1-20 (all partly)

Polypeptide comprising an amino acid sequence of SEQ ID NO:1, fragments and variants thereof, polynucleotides encoding them, methods of detecting related sequences, vectors and cells comprising said sequences and their use to produce a polypeptide, corresponding pharmaceutical compositions and antibodies.

2. Claims: 1-20 (all partly)
 Idem as subject 1 but limited to SEQ ID NO:2

3. Claims: 1-20 (all partly)
Idem as subject 1 but limited to SEQ ID NO:3

4. Claims: 1-20 (all partly)
Idem as subject 1 but limited to SEQ ID NO:4

5. Claims: 1-20 (all partly)
Idem as subject 1 but limited to SEQ ID NO:5

6. Claims: 1-20 (all partly)
Idem as subject 1 but limited to SEQ ID NO:6

7. Claims: 1-20 (all partly)
Idem as subject 1 but limited to SEQ ID NO:7

8. Claims: 1-20 (all partly)
Idem as subject 1 but limited to SEQ ID NO:8

9. Claims: 1-20 (all partly)
Idem as subject 1 but limited to SEQ ID NO:9

11. Claims: 1-20 (all partly)

Idem as subject 1 but limited to SEQ ID NO:11

12. Claims: 1-20 (all partly)

Idem as subject 1 but limited to SEQ ID NO:12

13. Claims: 1-20 (all partly)

Idem as subject 1 but limited to SEQ ID NO:13

page 2 of 2

International Application No. PCT/US 99 /26742

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 17,18 and 20

Claims 17, 18 and in part 20 refer to an antagonist and agonist of the polypeptides without giving a true technical characterisation. Moreover, no such compounds are defined in the application. In consequence, the scope of said claims is ambiguous and vague, and their subject-matter is not sufficiently disclosed and supported (Articles 5 and 6 PCT). No meaningful search can be carried out for such purely speculative claims whose wording is, in fact, a mere recitation of the results to be achieved.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

Information patent family members

International Application No
PCTUS 99/26742

Patent document cited in search report		Publication date		ntent family nember(s)	Publication date
WO 9818456	Α	07-05-1998	US EP	5892014 A 0948323 A	06-04-1999 13-10-1999
WO 9214750	A	03-09-1992	US US AU AU CA EP JP NZ US US US US	5256766 A 5688768 A 665752 B 1456892 A 2104394 A 0572553 A 6508742 T 241666 A 6024936 A 5759994 A 5856448 A 5849507 A 5798248 A	26-10-1993 18-11-1997 18-01-1996 15-09-1992 20-08-1992 08-12-1993 06-10-1994 26-07-1995 15-02-2000 02-06-1998 05-01-1999 15-12-1998
WO 9405695	 A	17-03-1994	AU US	4855393 A 5508384 A	29-03-1994 16-04-1996

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

the reference	FOR FURTHER See Notification of	f Transmittal of International Search Report 20) as well as, where applicable, item 5 below.
Applicant's or agent's file reference	ACTION (Form PC1/ISA/2	
PF-0636 PCT	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
International application No.	12/11/1999	12/11/1998
PCT/US 99/26742	12,11,1555	
Applicant		
THE STATE OF THE S	NC of al	
INCYTE PHARMACEUTICALS, I	NC. EC al.	
This International Search Report has bee according to Article 18. A copy is being to	en prepared by this International Searching Autransmitted to the International Bureau.	hority and is transmitted to the applicant
This International Search Report consist It is also accompanied b	s of a total of sheets. If a copy of each prior art document cited in this	s report.
1. Basis of the report		
•	e international search was carried out on the b nless otherwise indicated under this item.	asis of the international application in the
language in which it was lifed, u	was carried out on the basis of a translation of	
Authority (Rule 23.1 (b))		international application, the international search
I was carried out on the basis of	tile seduction norma	
contained in the interna	tional application in written form.	orm.
X filed together with the in	nternational application in computer readable fo	ont.
furnished subsequently	to this Authority in written form.	
furnished subsequently	to this Authority in computer readble form.	does not go beyond the disclosure in the
the statement that the international application	subsequently furnished written sequence listing n as filed has been furnished.	g does not go se your and an anguence listing has been
the statement that the furnished	information recorded in computer readable for	n is identical to the written sequence listing has been
2. X Certain claims were	found unsearchable (See Box I).	
3. Unity of invention is		
4. With regard to the title,		
the text is approved a	s submitted by the applicant.	
the text has been esta	ablished by this Authority to read as follows:	
	,	
		•
5. With regard to the abstract,		
the text is approved a	as submitted by the applicant. ablished, according to Rule 38.2(b), by this Aul n the date of mailing of this international searcl	thority as it appears in Box III. The applicant may, n report, submit comments to this Authority.
	published with the abstract is Figure No.	
6. The figure of the drawings to be as suggested by the		None of the figures.
	applicant. nt failed to suggest a figure.	
because the applicat	better characterizes the invention.	
Decause this lightle to		